

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061820\
 Data File : BG045804.D
 Acq On : 18 Jun 2020 22:22
 Operator : CG/JU
 Sample : L3046-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ISS-A-C

Quant Time: Jun 19 03:33:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	51840	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	200552	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	142474	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	340862	20.00	ng	0.00
76) Chrysene-d12	21.57	240	310214	20.00	ng	0.00
86) Perylene-d12	24.70	264	320508	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	373451	121.69	ng	0.00
7) Phenol-d6	7.15	99	454866	97.44	ng	-0.02
23) Nitrobenzene-d5	9.08	82	420135	95.70	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	313815	145.89	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	981871	101.28	ng	0.00
79) Terphenyl-d14	19.94	244	1619834	105.82	ng	0.00

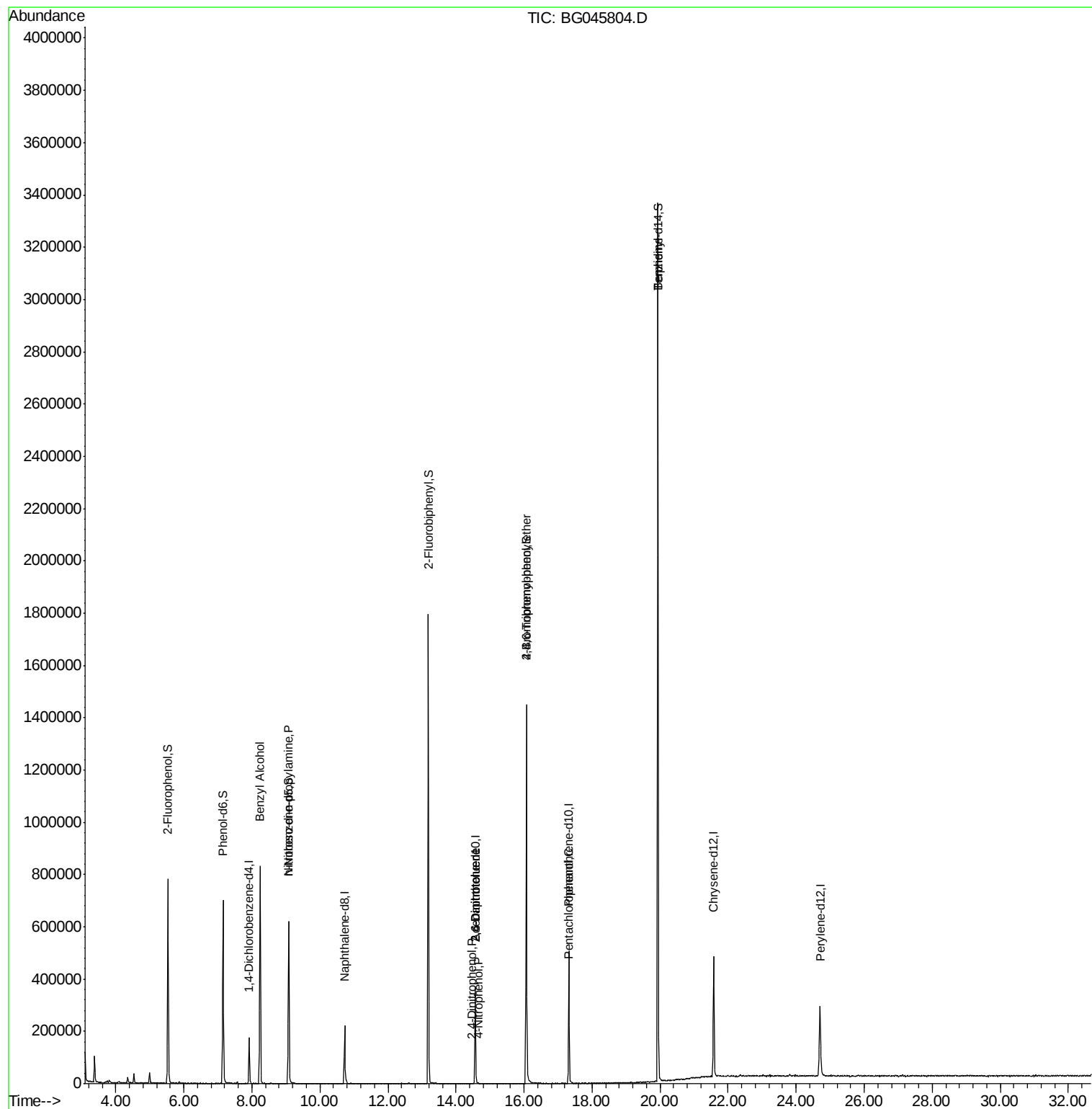
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.24	79	8037	2.225	ng	# 48
19) n-Nitroso-di-n-propylamine	9.08	70	57824	18.842	ng	# 81
51) 2,6-Dinitrotoluene	14.57	165	19017	7.586	ng	# 24
54) 2,4-Dinitrophenol	14.47	184	54	9.859	ng	# 17
56) 4-Nitrophenol	14.66	139	56	4.003	ng	# 1
57) 2,4-Dinitrotoluene	14.57	165	19017	5.295	ng	# 23
67) 4-Bromophenyl-phenylether	16.07	248	20388	4.603	ng	# 1
70) Pentachlorophenol	17.30	266	60	7.656	ng	# 17
77) Benzidine	19.93	184	29755	3.690	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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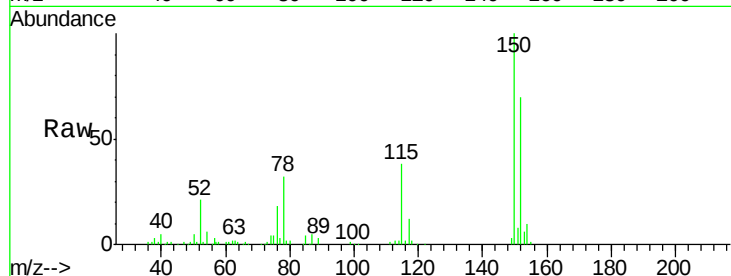


#1

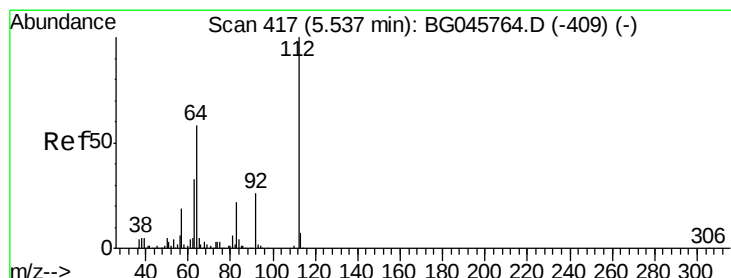
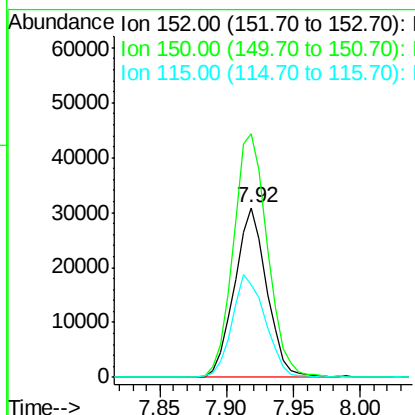
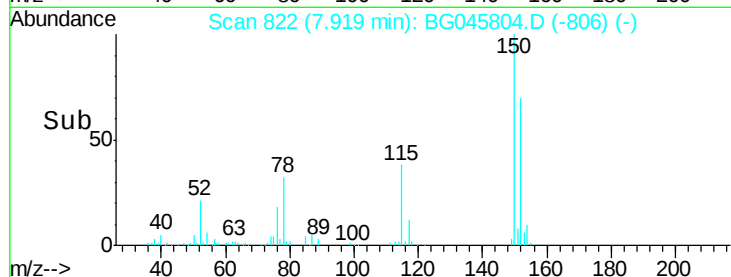
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG045804.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_G
ClientSampleId :
ISS-A-C

Tot Ion:152 Resp: 51840
Ion Ratio Lower Upper
152 100
150 143.8 113.1 169.7
115 54.6 43.8 65.6



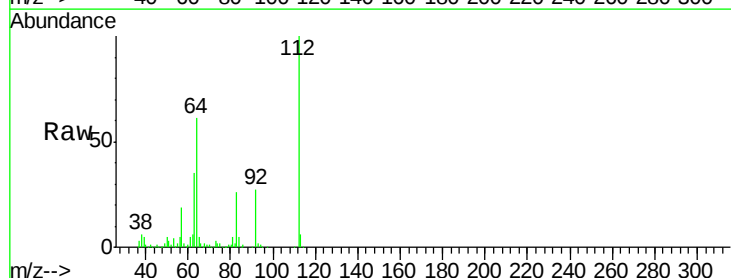
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



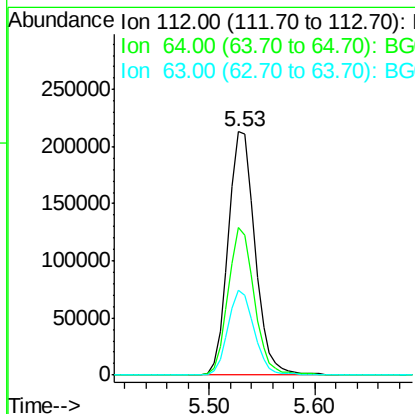
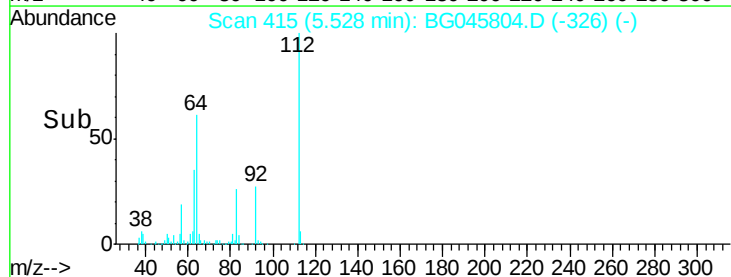
#5

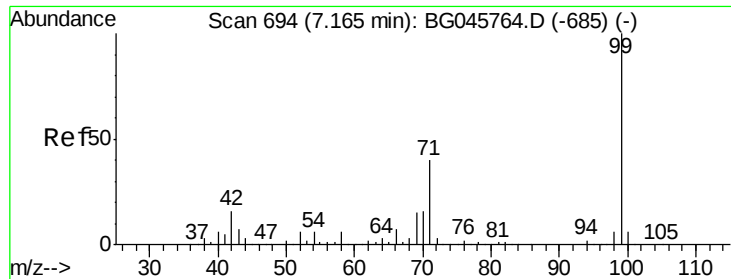
2-Fluorophenol
Concen: 121.691 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG045804.D
Acq: 18 Jun 2020 22:22

Tgt Ion:112 Resp: 373451
Ion Ratio Lower Upper
112 100
64 60.6 46.6 69.8
63 34.7 26.3 39.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 97.444 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.02 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_G

ClientSampleId :

ISS-A-C

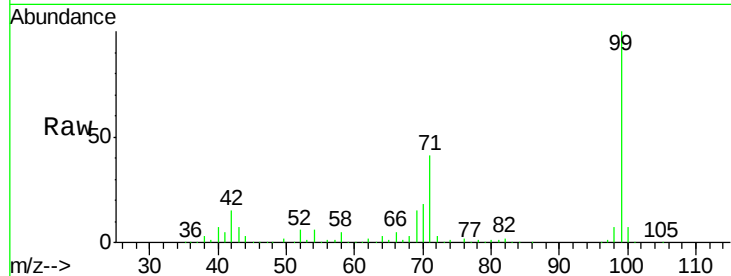
Tot Ion: 99 Resp: 454866

Ion Ratio Lower Upper

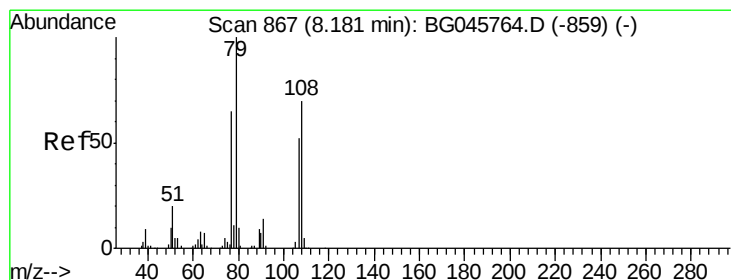
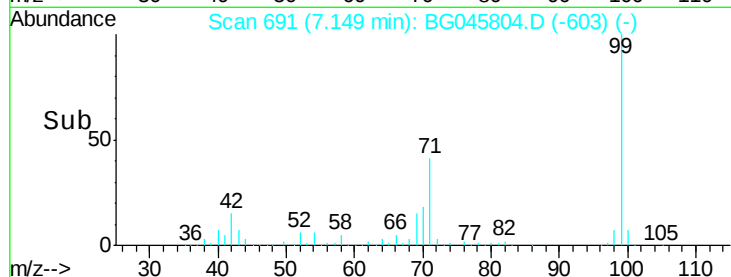
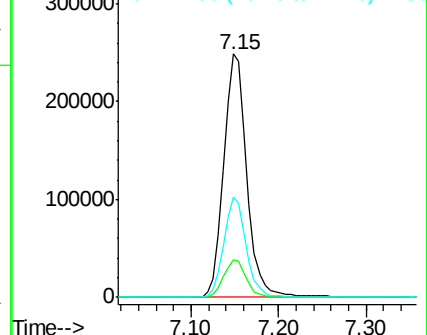
99 100

42 15.2 12.4 18.6

71 41.3 32.1 48.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.225 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.06 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

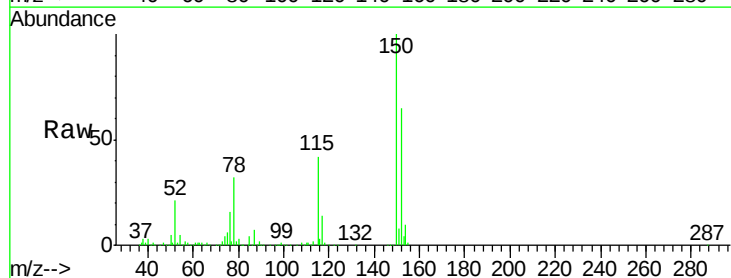
Tgt Ion: 79 Resp: 8037

Ion Ratio Lower Upper

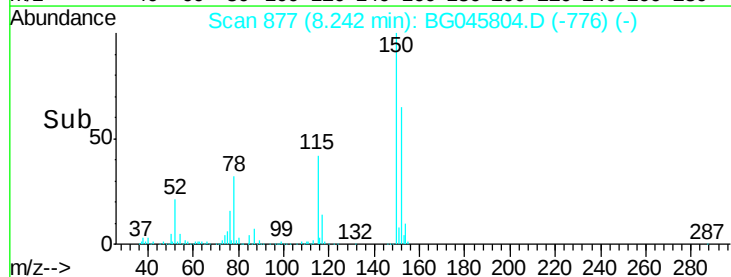
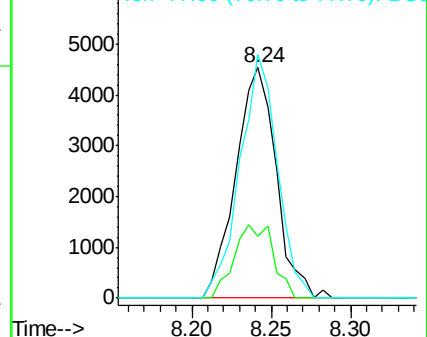
79 100

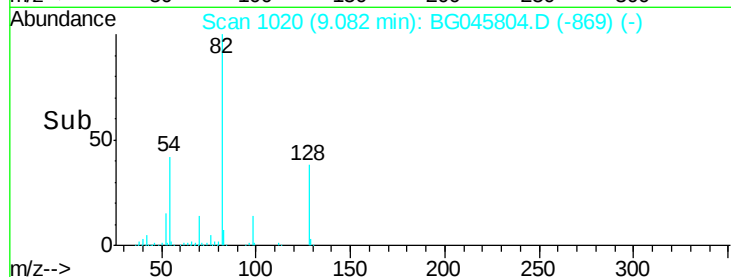
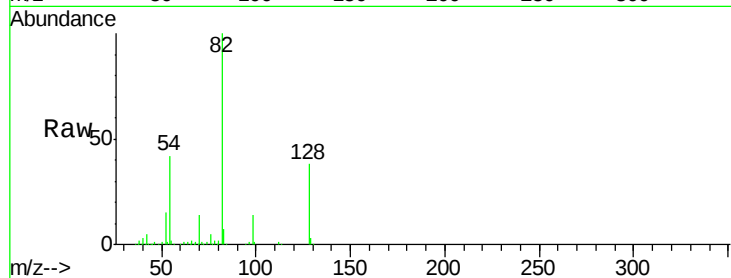
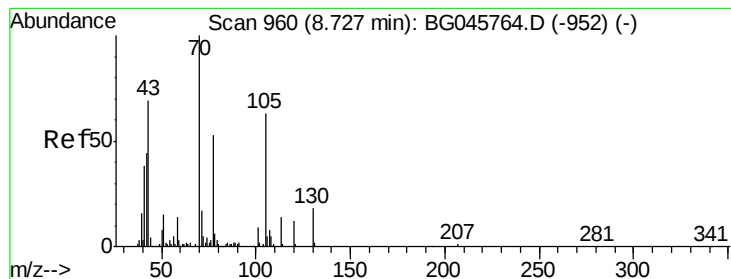
108 26.9 56.2 84.4#

77 105.5 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 18.842 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_G

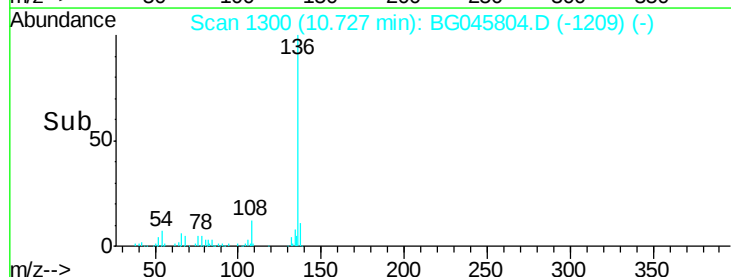
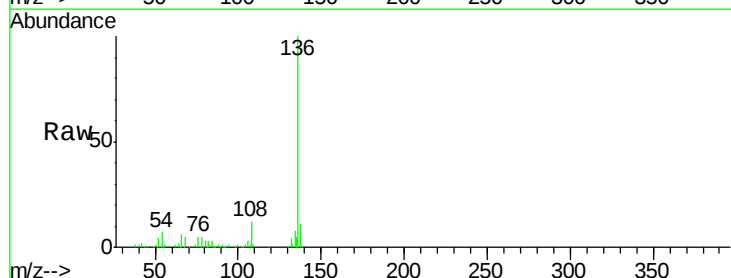
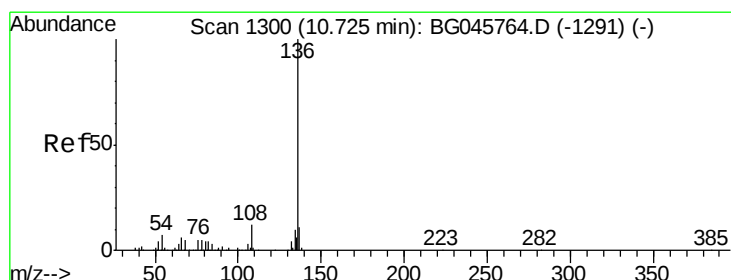
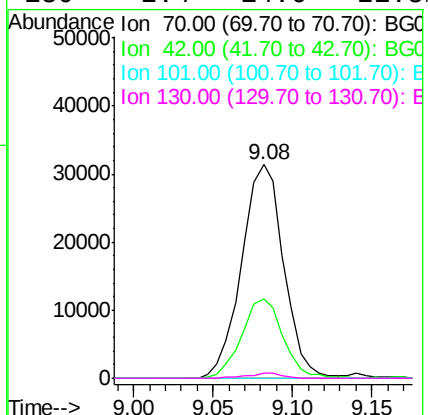
ClientSampleId :

ISS-A-C

Tot Ion: 70 Resp: 57824

Ion Ratio Lower Upper

70	100		
42	37.4	35.1	52.7
101	0.0	7.4	11.0#
130	2.4	14.6	21.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1300

Delta R.T. 0.00 min

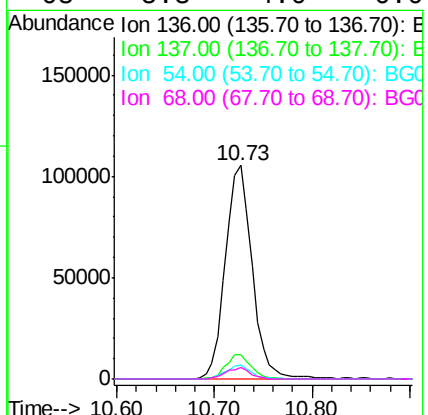
Lab File: BG045804.D

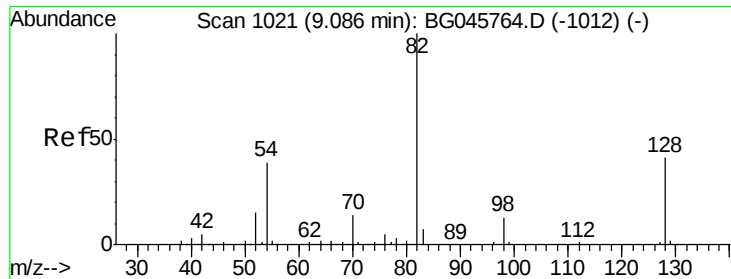
Acq: 18 Jun 2020 22:22

Tgt Ion: 136 Resp: 200552

Ion Ratio Lower Upper

136	100		
137	11.2	8.7	13.1
54	6.7	5.8	8.6
68	5.3	4.0	6.0

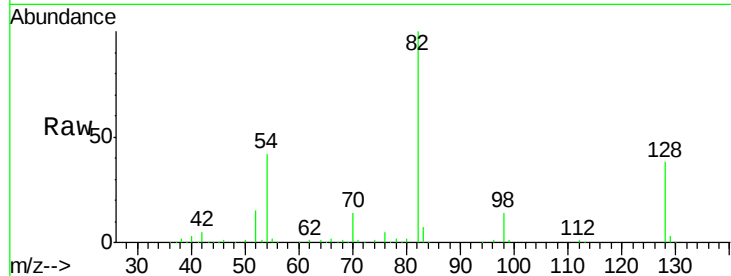




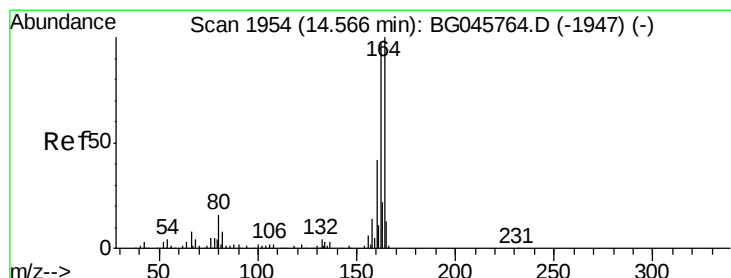
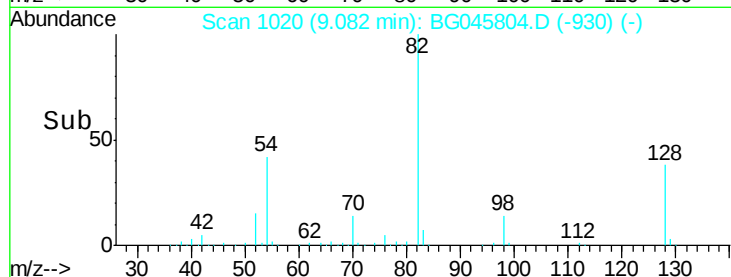
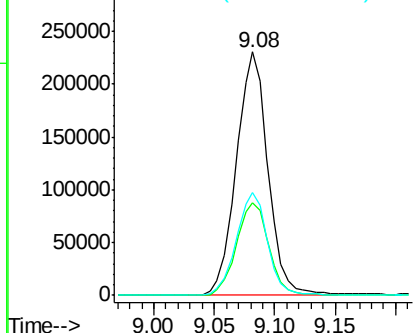
#23
Nitrobenzene-d5
Concen: 95.702 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG045804.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_G
ClientSampleId :
ISS-A-C

Tot Ion	82	Resp	420135
Ion Ratio	100	Lower	Upper
128	37.9	32.5	48.7
54	42.3	31.2	46.8

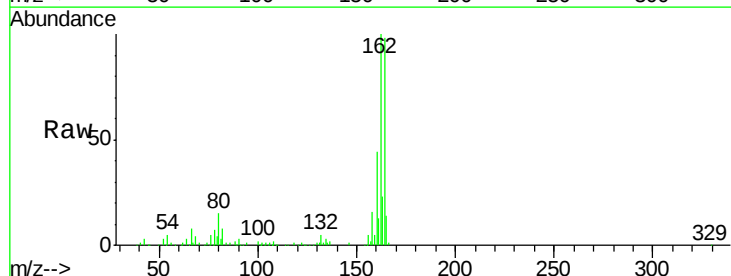


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

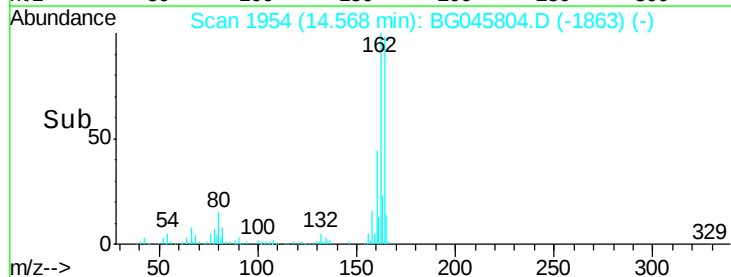
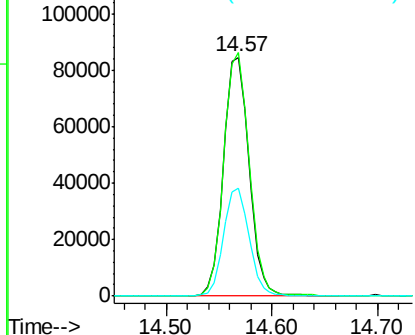


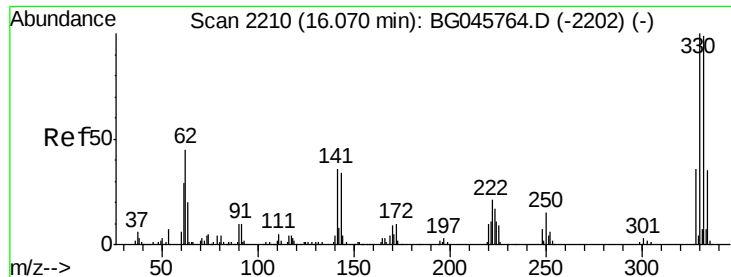
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BG045804.D
Acq: 18 Jun 2020 22:22

Tgt Ion	164	Resp	142474
Ion Ratio	100	Lower	Upper
162	102.0	77.4	116.0
160	45.4	33.3	49.9



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

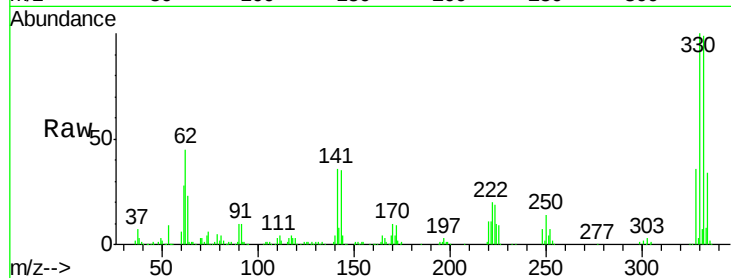




#42
 2,4,6-Tribromophenol
 Concen: 145.893 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BG045804.D
 Acq: 18 Jun 2020 22:22

Instrument :
 BNA_G
 ClientSampleId :
 ISS-A-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.6	117.8
141	35.5	28.2	42.4

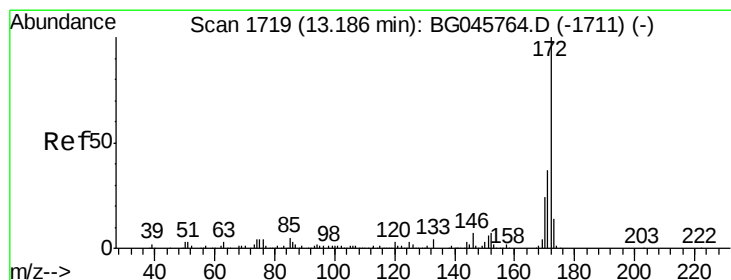
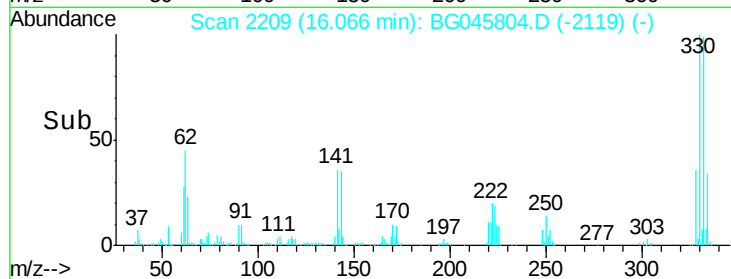
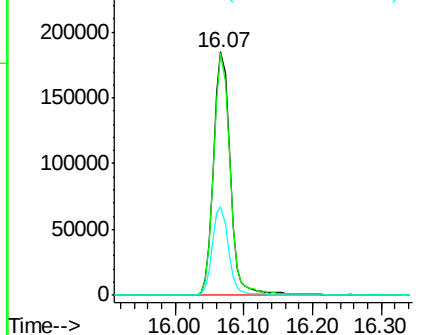


Abundance

Ion 329.80 (329.50 to 330.50): E

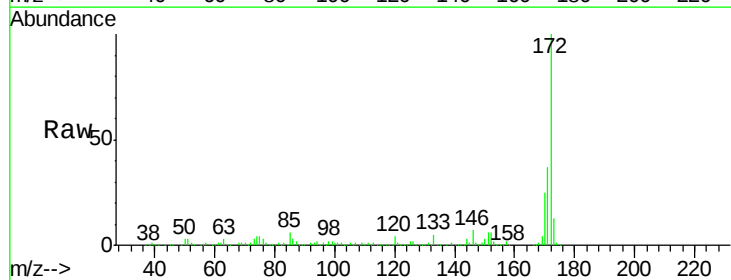
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 101.276 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG045804.D
 Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	24.6	19.3	28.9

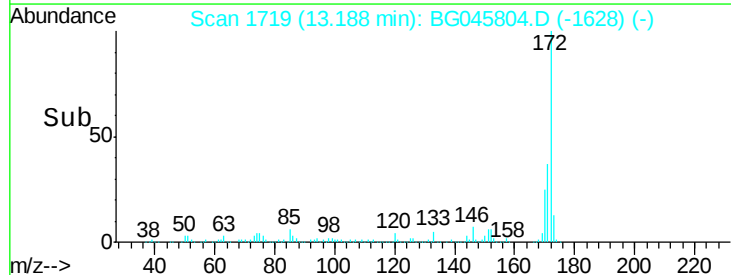
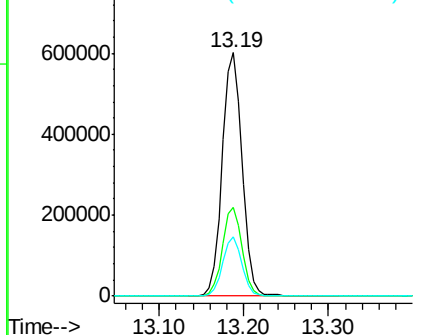


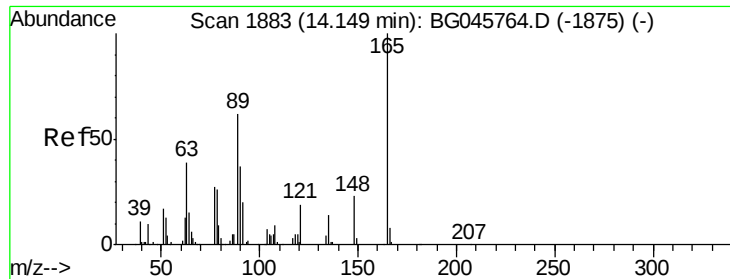
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.586 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.42 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

Instrument :

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ClientSampleId :

ISS-A-C

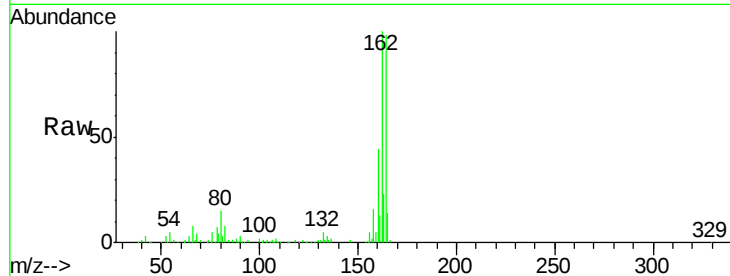
Tot Ion:165 Resp: 19017

Ion Ratio Lower Upper

165 100

63 0.0 41.2 61.8#

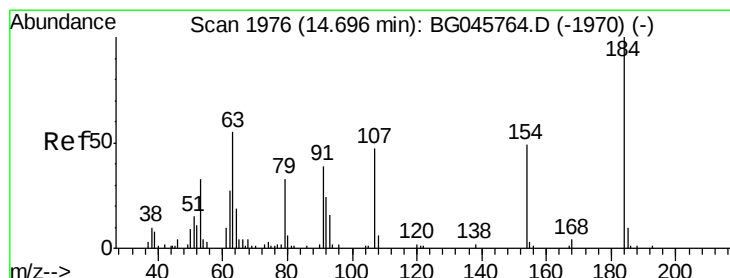
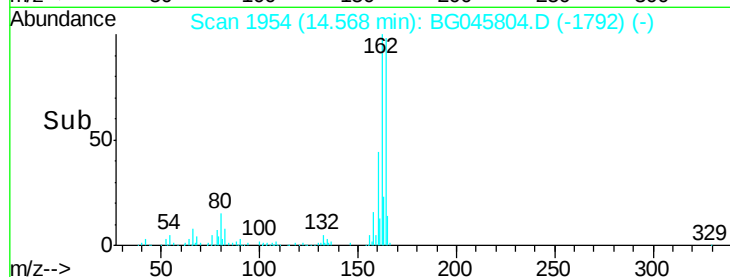
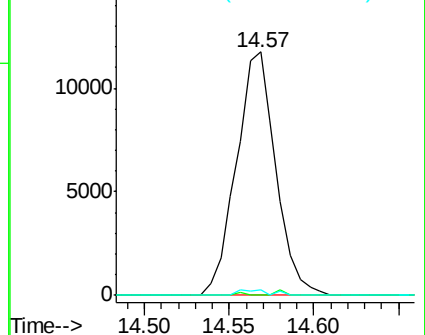
89 2.1 49.7 74.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#54

2,4-Dinitrophenol

Concen: 9.859 ng

RT: 14.47 min Scan# 1938

Delta R.T. -0.22 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

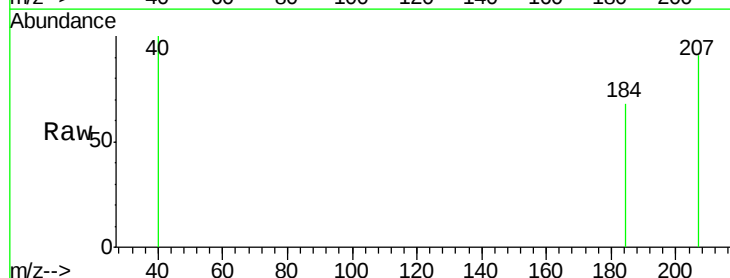
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

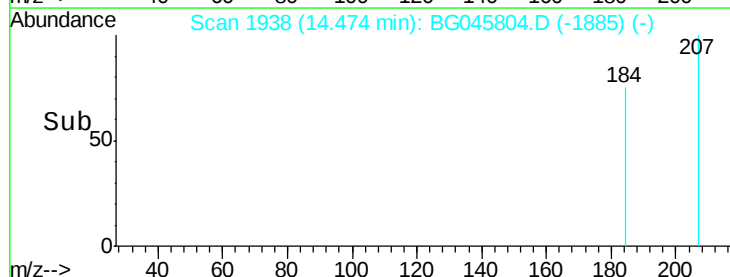
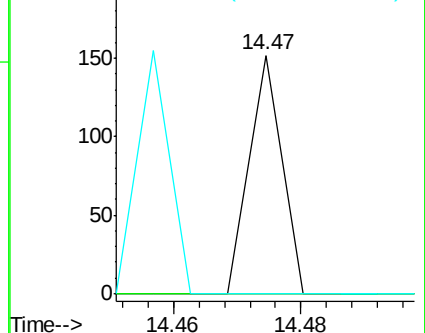
154 0.0 58.6 87.8#

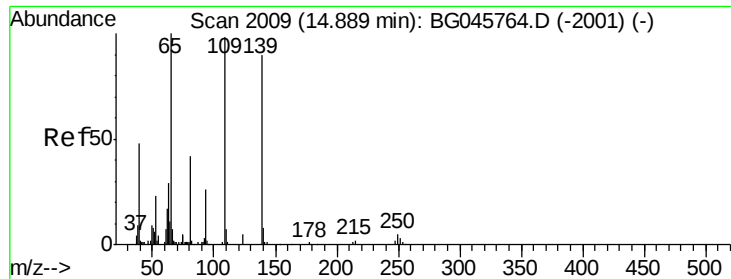


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 4.003 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.23 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_G

ClientSampleId :

ISS-A-C

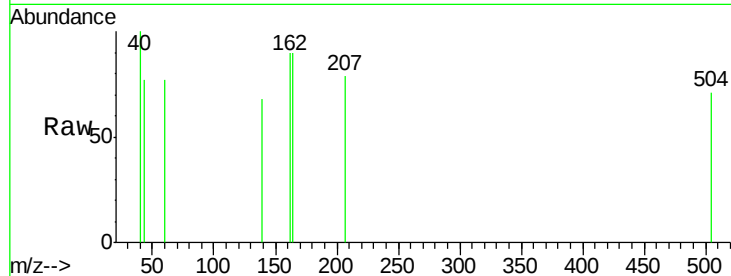
Tot Ion:139 Resp: 56

Ion Ratio Lower Upper

139 100

109 0.0 88.9 128.9#

65 0.0 92.3 132.3#

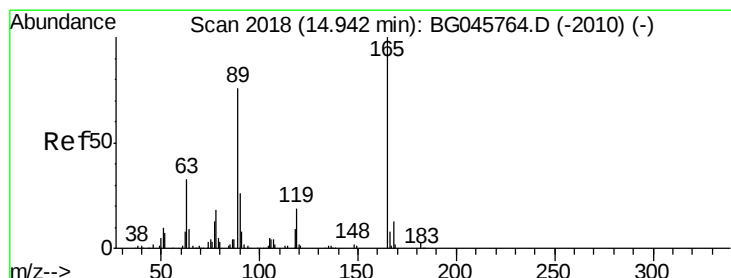
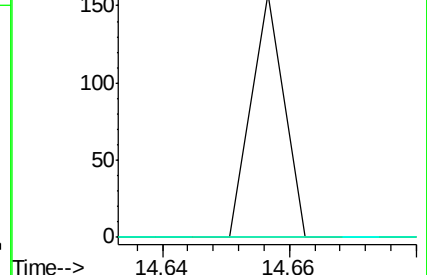
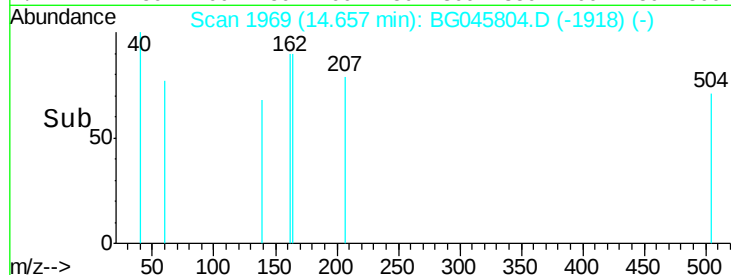


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

14.66



#57

2,4-Dinitrotoluene

Concen: 5.295 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.37 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

Tgt Ion:165 Resp: 19017

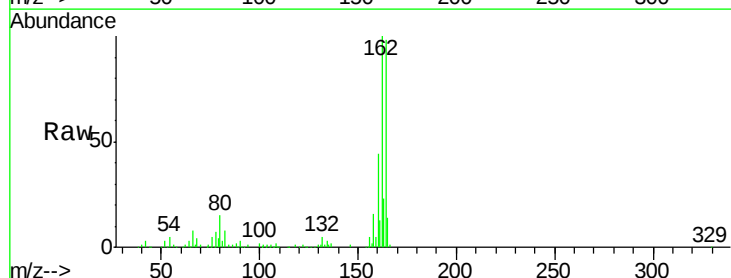
Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

89 2.1 60.4 90.6#

182 0.0 2.6 3.8#



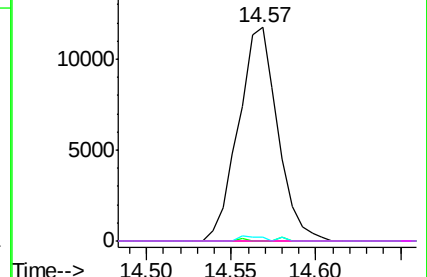
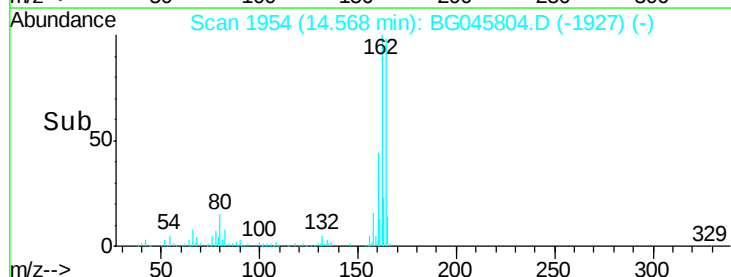
Abundance Ion 165.00 (164.70 to 165.70): E

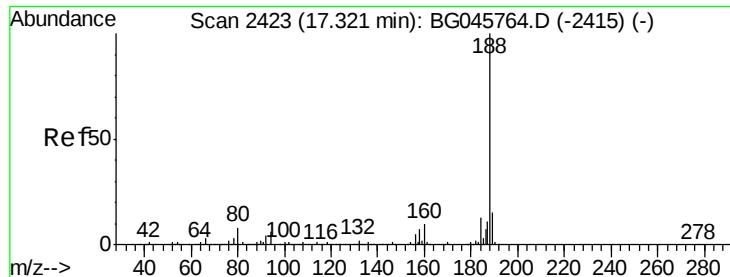
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.57





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_G

ClientSampleId :

ISS-A-C

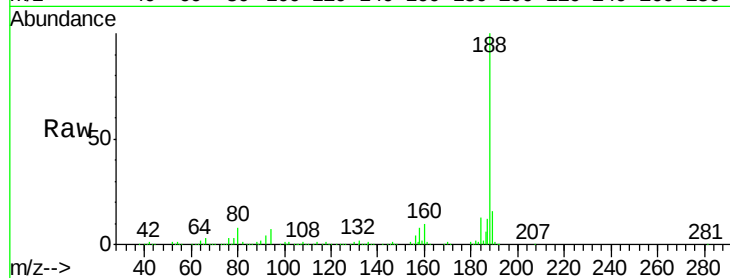
Tot Ion:188 Resp: 340862

Ion Ratio Lower Upper

188 100

94 6.9 5.1 7.7

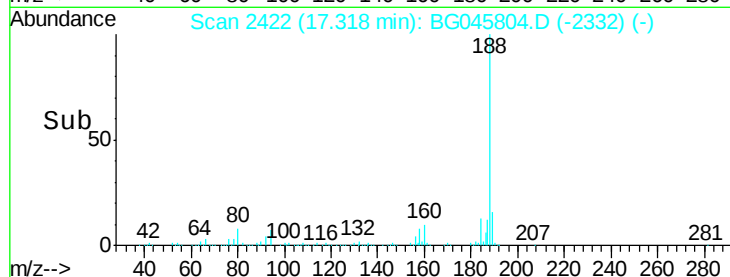
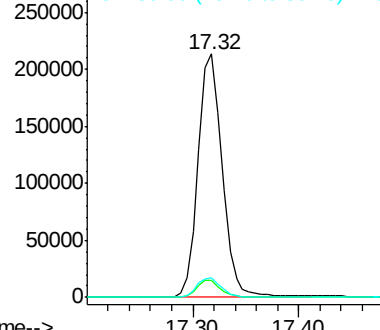
80 7.9 6.2 9.4



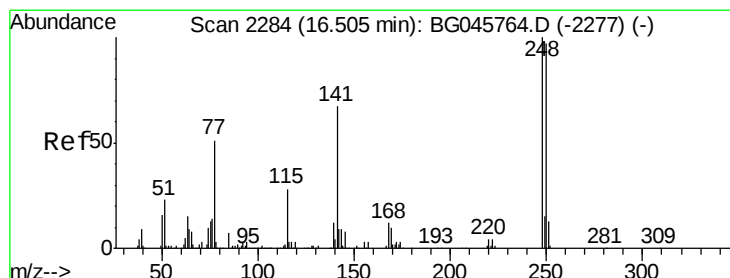
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.603 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.44 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

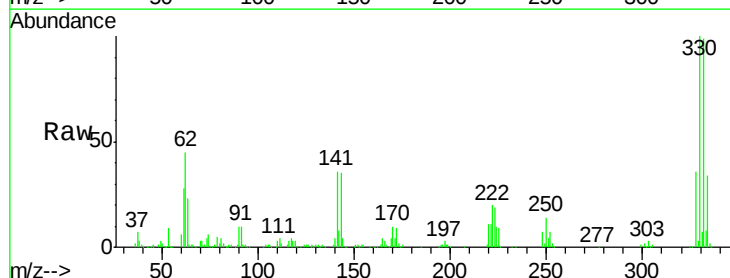
Tgt Ion:248 Resp: 20388

Ion Ratio Lower Upper

248 100

250 200.2 78.0 117.0#

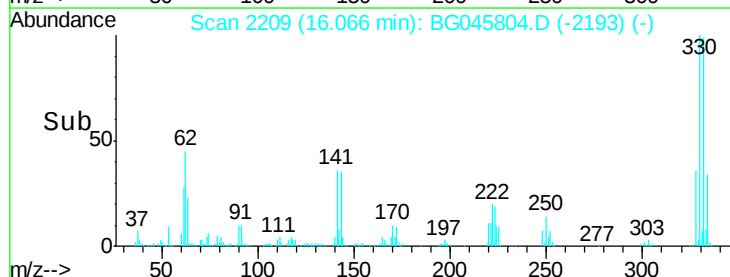
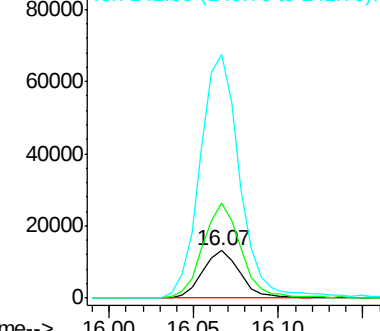
141 515.6 53.9 80.9#



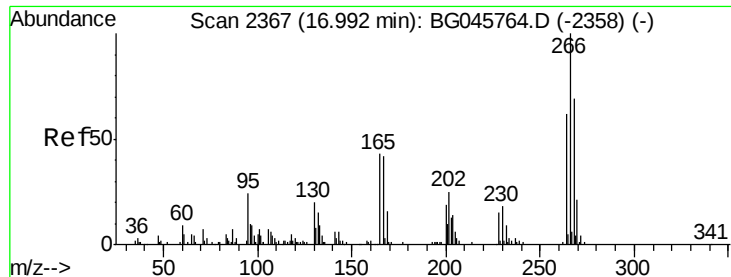
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#70

Pentachlorophenol

Concen: 7.656 ng

RT: 17.30 min Scan# 2419

Delta R.T. 0.31 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_G

ClientSampleId :

ISS-A-C

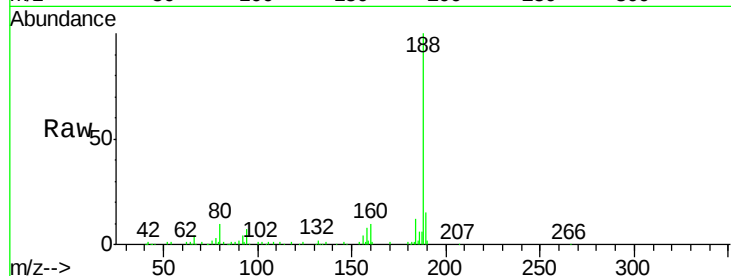
Tot Ion:266 Resp: 60

Ion Ratio Lower Upper

266 100

268 0.0 55.4 83.0#

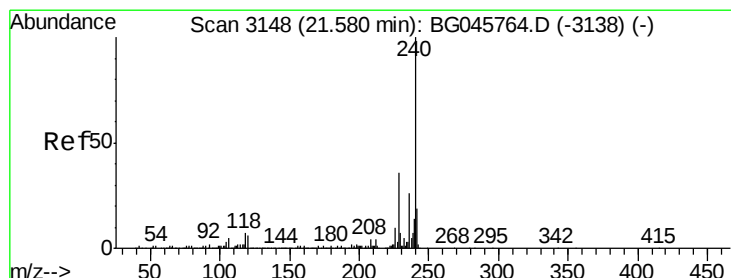
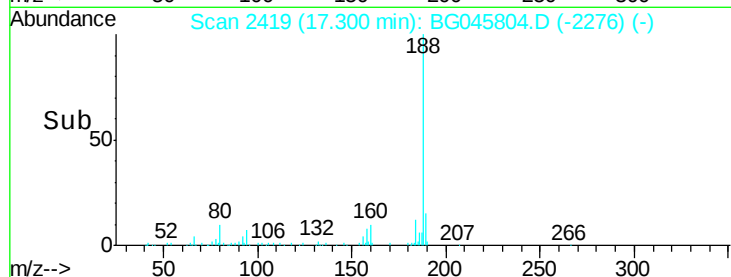
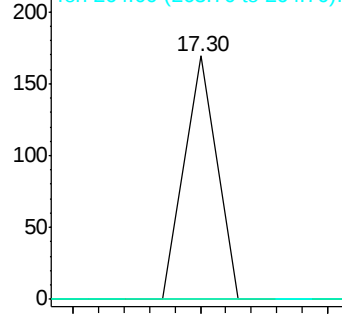
264 0.0 49.8 74.6#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

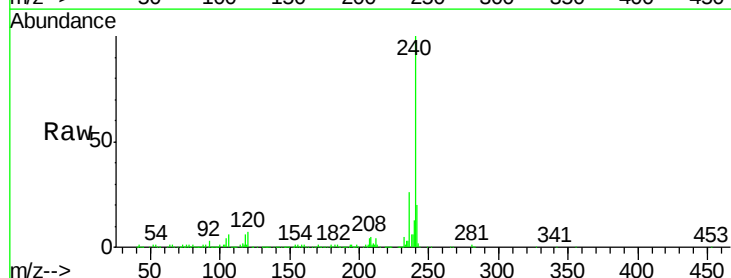
Tgt Ion:240 Resp: 310214

Ion Ratio Lower Upper

240 100

120 7.0 5.0 7.4

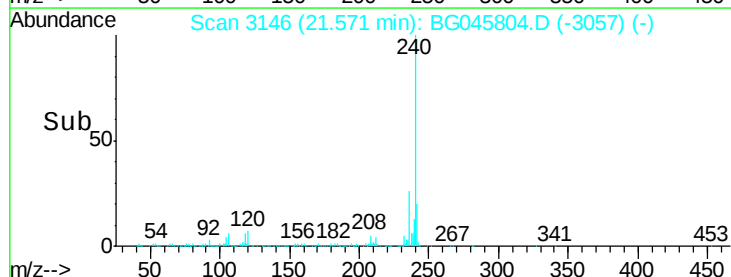
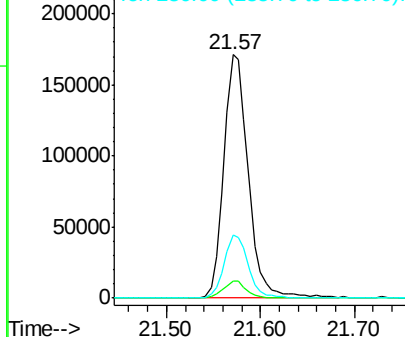
236 25.7 20.6 30.8

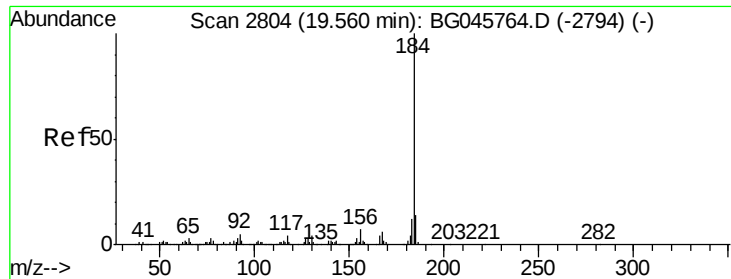


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.690 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.37 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_G

ClientSampleId :

ISS-A-C

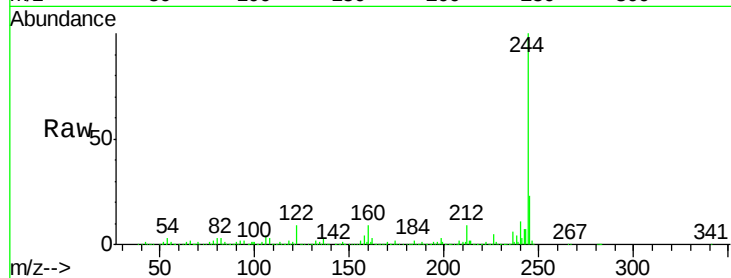
Tot Ion:184 Resp: 29755

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

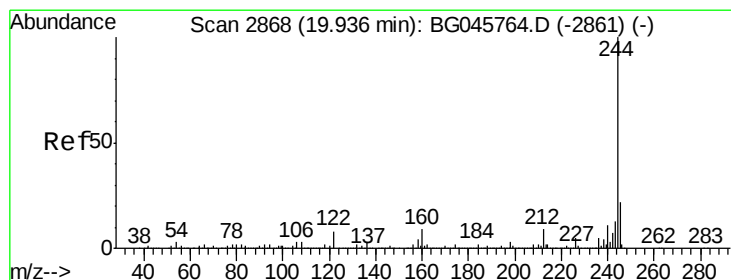
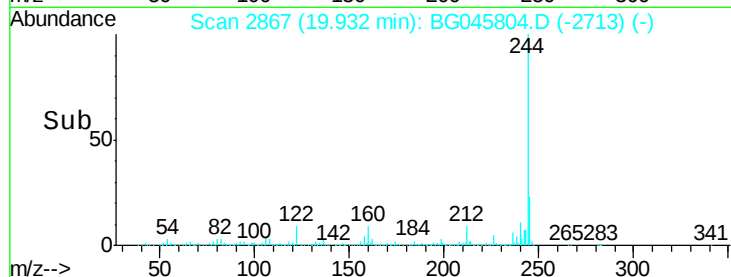
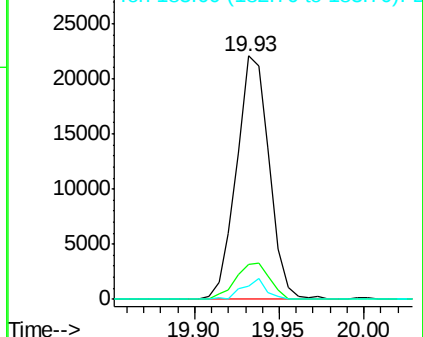
183 5.7 9.7 14.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 105.822 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045804.D

Acq: 18 Jun 2020 22:22

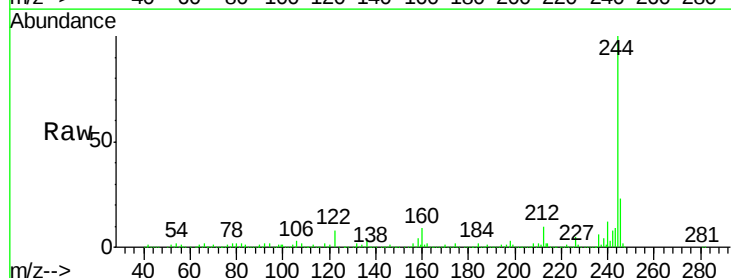
Tgt Ion:244 Resp: 1619834

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

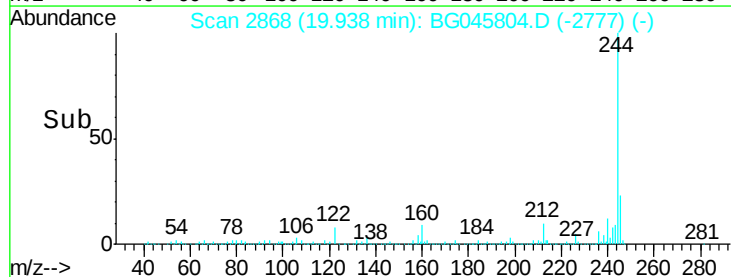
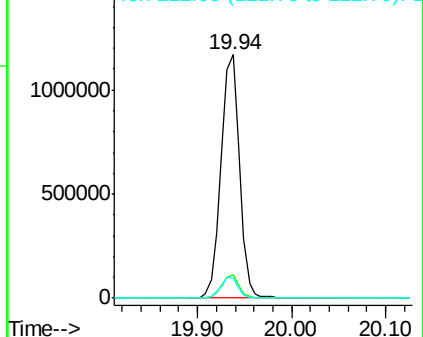
122 8.1 6.4 9.6

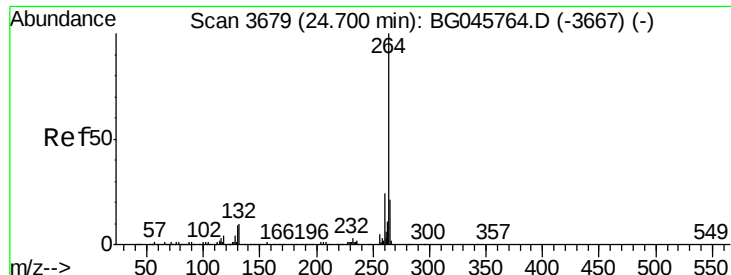


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BG045804.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_G
ClientSampleId :
ISS-A-C

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.0	19.0	28.4	
265	21.6	17.4	26.0	

